

WHAT IS CLAIMED:

1. A real time qRT-PCR assay for the detection of Rotavirus wherein the forward primer is 5' ACC ATC TAC ACA TGA CCC TC3' (SEQ ID NO: 3), the reverse primer is 5' GGT CAC ATA ACG CCC C3' (SEQ ID NO: 4) and the confirmation primer is selected from a sequence of SEQ ID NO: 1 and does not overlap with SEQ ID NO: 3 or SEQ ID NO: 4.
5
2. The assay of Claim 1 wherein the confirmation primer is 5' ATG AGC ACA ATA GTT AAA AGC TAA CAC TGT CAA 3' (SEQ ID NO: 2).
10
3. The assay of Claim 2 wherein the 5' end of the confirmation primer is labeled with FAM and the 3' end of the confirmation primer is labeled with TAMRA.
4. The assay of Claim 1 wherein the confirmation primer is a molecular beacon.
15
5. The assay of Claim 4 wherein the molecular beacon contains at least 25 nucleotides of SEQ ID NO: 2.
6. The assay of Claim 1 wherein the assay is quantitative of the amount of Rotavirus detected.
20
7. A primer having the sequence of SEQ ID NO: 3.
8. A primer having the sequence of SEQ ID NO: 4.
25
9. A primer having the sequence of SEQ ID NO: 2.
10. The primer of Claim 9 further comprising a FAM label on the 5' end of the primer and a TAMRA label on the 3' end of the primer.
30